

Chemistry Report for Case # P-18-0219

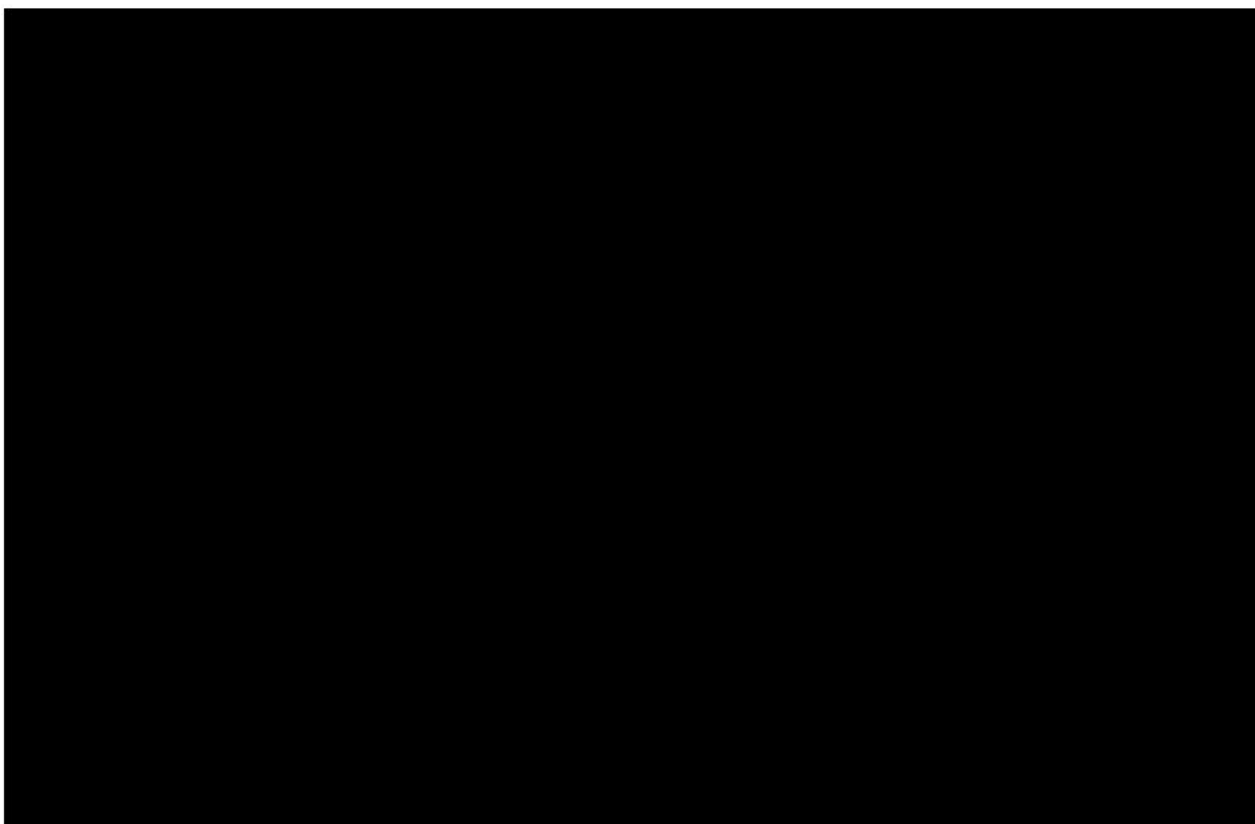
General

Submitter: [REDACTED]	
Contact: [REDACTED]	Contact Telephone No.: [REDACTED]
TS No.: C5308P	
Chemist: Drake, Bethany	Contractor Support: Y
PV Init (kg/yr): [REDACTED]	PV Max (kg/yr): [REDACTED]
Binding Option: <input type="checkbox"/>	Exposure-Based Review: [REDACTED]
Manufacture: <input checked="" type="checkbox"/>	Import: <input type="checkbox"/>

CAS Number [REDACTED]
Chemical Name [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
Trade Name:None
IES Order [REDACTED]
Generic Name:Polythioether, short chain diol polymer terminated with aliphatic diisocyanate (PROVISIONAL)

Chemical Structure

--



Physical Chemical Properties

Molecular Formula [REDACTED]	Molecular Weight [REDACTED]
% < 500 [REDACTED]	% < 1000 [REDACTED]
MP:	MP Estimate:
BP:	BP Pressure:
BP Estimate: >400	
VP (Torr):	VP Estimate (Torr): <0.000001
Water Solubility (g/L):	Water Soluble Estimate (g/L): Reacts
Log P:	Log P Estimate:
Physical State — Neat: [REDACTED]	Physical State — Manuf:Solution: [REDACTED] PMN material in [REDACTED]

Physical State — Processing: Solution: [REDACTED] PMN material

Physical State — End Use: Destroyed

Additional Chemical Info

NAVG
 MW = [REDACTED] with [REDACTED] < 500 and [REDACTED] < 1000 by GPC.
 Submitted
 Properties: WS = Insoluble; Density = [REDACTED] g/cc.
 An IR spectrum
 containing an [REDACTED] is included with the PMN

submission.

Estimated Properties: BP > 400 °C ([REDACTED] Polymer); VP < 0.000001 torr ([REDACTED] polymer); WS = Reacts (Isocyanate).

Isocyanate FGEW = [REDACTED]

(Worst case).

The isocyanate groups are expected to hydrolyze with a half-life of hours to days, to give the amine-terminated polymer.

Uses

Consumer Use? No

Use:

[REDACTED]

Other Uses:

No other uses were found.

Reaction Description

[REDACTED]

Pollution Prevention Analysis(P2 Analysis:)

None.

Analogs

No reasonable analogs were found.

Comments/Telephone Log

Artifact

Update/Upload Time

[REDACTED]

[REDACTED]